

CLAIMS

What is claimed is:

1. A system for applying a substance to a substrate and operable with a manual printing press and a screen having a screen frame and a screen mesh, the screen mountable in the printing press, comprising:

a frame system comprising:

an MRS frame mountable with the screen frame;

a track system having a first and second track frame, located at opposing sides of the MRS frame, each with a receiving end and an exiting end and each configured with an upper track and a lower track, the upper track having a flanged area at the receiving end and a recessed area at the exiting end; and

a height adjustor configured to adjust a height of the track system relative to the MRS frame; and

a squeegee comprising:

a squeegee frame;

a blade removably attached to the squeegee frame;

at least one guide member on opposing ends of the squeegee frame configured to travel between the upper track and the lower track of the opposing track frames in a guide plane between the receiving end and the exiting end; and

an angle adjustor configured to adjust an angle of the blade relative to the guide plane;

wherein the flanged area is configured to guide the at least one opposing guide members between the upper track and the lower track of the opposing track frames at the receiving end of the track system;

wherein the blade is configured to apply the substance through the screen mesh to the substrate at the height and the angle when the at least one opposing

guide members travel along the guide plane between the receiving end and the exiting end of the opposing track frames, the height resulting in a selected biasing force being applied between the blade and the screen mesh; and

- 5 wherein the recessed area of the upper track is configured to upwardly release the at least one opposing guide members from the opposing track frames at the exiting end.